AUTHOR INDEX

Abdel-Halim O. B., 471
Abdel-Sattar E., 159
Abe T., 987
Abegaz B., 699
Abegaz B. M., 349, 733, 1071
Abuereish G. M., 217
Adam G., 1055, 467, 577
Adam K.-P., 953
Ageta H., 471
Agostini S., 611
Ahmad R., 525
Ahmad V. U., 1217, 1271
Ahmed A. A., 543
Aimi N., 107
Akihisa T., 301
Akiyama T., 49
Akiyoshi H., 31
Akssira M., 1237
Alami I., 771
Alemayehu G., 699
Alfermann A. W., 975
Ali Z., 1271
Almeida M., 229
Alvarez-Manzaneda R., 807
Alves-Pereira I. M. S., 795
Amin K. M. Y., 561
Anagnostakis S. L., 41
Anam E. M., 211
Andersen Ø.M., 823
Anderton N., 437
Andolfi A., 941
Andrade P. B., 1429
Andreo C. S., 55
Angenot L., 1263
Anuradha V., 181, 183, 185
Arai Y., 471
Arfan M., 385
Arnone A., 507
Asada Y., 1329
Asai F., 1241
Asai I., 971
Asakawa Y., 297
Asano K.-I., 461
Asenov I., 573
Ashihara H., 777
Ataya F. S., 1291
Ayafor J. F., 345

Babu U. V., 1457
Bacher M., 897
Bacon C. W., 451
Baghour M., 269
Bai L., 327
Balansard G., 739, 1229
Baldwin J. E., 619
Baltaci C., 881
Barrero A. F., 187, 807, 1237
Barrett P. B., 441, 1295
Barroso J. G., 455
Barszcz B., 205
Barwell C. J., 765
Bastida J., 903
Bauer R., 339
Baykal T., 867
Beardall J., 1335
Becker H., 681
Beecher C. W. W., 93
Belakbir A., 269
Belisario M. A., 103
Berlin J., 79
Bessière J. M., 311
Bezabih M., 1071
Bezabih M.-T., 733
Bhagyalakshmi N., 915
Bhandari S. P. S., 1457
Biala R. G., 1263
Biavatti M. W., 747
Bisrat D., 903
Bloor S. J., 791
Blume A., 661
Bodo B., 171
Boeykens M., 707
Bohlin L., 491
Bon M., 165
Bondi M. L., 687
Bonfils J.-P., 751
Bonham C., 1063
Borsatto A. S., 323
Boyer G. L., 475
Brandão M. G. L., 397
Brandt V., 1263
Bretones G., 269
Brown G. D., 1169, 1207
Brown R. T., 747
Brum R. L., 1225
Bruno G., 1139
Bruno M., 687
Bryant J. A., 408
Bubb W. A., 197
Bucar F., 573
Buchta M., 1195
Budějínský M., 1195
Bueno J. L., 1221
Bülow N., 1019
Burandt C. L., 1187
Burrows H. M., 257

Cabrera E., 187
Cai H., 1411
Calderón J. S., 1221
Çalis I., 867
Calixto J. B., 725
Camciuc M., 311
Capasso R., 941, 1131
Carreras C. R., 1031
Carrier D. J., 89
Cavalheiro A. J., 1225
Cavé A., 141, 499
Cerda-Garcia-Rojas C. M., 151
Chan Y.-Y., 743, 889
Chang F.-R., 367
Chang H.-F., 1083
Chang W.-T., 119
Chávez J. P., 703
Chen D.-Y., 1013
Chen I.-S., 1377

Chen S.-N., 155, 1025
Chen W.-M., 1387
Chen Y.-G., 1059
Chen Y., 1067
Chen Y.-Z., 155, 1267, 1411
Chen Z., 569
Cheng Y.-S., 1391
Cheong C., 1383
Chern C.-Y., 889
Cheynier V., 1251
Chia Y.-C., 367
Chinou I., 637
Chollet A., 55
Chowdhury B. K., 363
Chueh F.-S., 119
Clérivet A., 771
Cockrum P. A., 437
Codina C., 903
Cole W. J., 1351
Colegate S. M., 437
Collett L. A., 651
Colombo S. L., 55
Colquhoun I. J., 71
Conrad J., 647
Corsino J., 137
Cortes D., 1087
Coussio J. D., 707
Crozier A., 777
Cruciata M., 687
Cruz F. G., 703
Cubilla R L., 1035
Culberson C. F., 815
Culberson W. L., 815
Cutignano A., 1131
Cutillas-Iturralde A., 607
Cvak L., 1195

Da Silva Bolzani V., 137
da Silva M. F. D. G. F., 307
Dagne E., 903
Dampawan P., 197
David J. M., 703
Davies-Coleman M. T., 651
de Abreu Matos F. J., 323
De Giulio A., 103
De Kimpe N., 707
De La Torre M. C., 557, 687
De Rosa S., 103
Deans S. G., 455
Debenedetti S. L., 707
Debrauwer L., 739
Deighton N., 601
Deinzer M. L., 931
Delaere I. M., 643
Desjobert J.-M., 611
Dias A. C. P., 1165
Diez D., 1035
Dinan L., 1039
Ding L.-S., 1411
Dizes C., 1229
Doco T., 1251
Dongo E., 349, 733
Döpke W., 371
D'Souza L., 1203
Du L., 1145
Du X.-M., 843
Duclos M.-C., 547
Duh C.-Y., 1371
Dunstan C. A., 491
Duret P., 499

Edgar J. A., 437
Eisenreich W., 293
Ekundayo O., 657
El-Feraly F. S., 159
Elgamal M. H. A., 875
Elias R., 739, 1229
El-Mousallamy A. M. D., 759
El-Sebakhy N. A., 1403
El Babili F., 165
Emam A. M., 739
Enneking D., 643
Espinosa G., 1221
Etoh H., 355, 1461
Evidente A., 941, 1131, 1139

Fan J.-S., 1267
Fang J.-M., 1391
Fang Q.-C., 1387
Fatah M. M. A., 1291
Faure R., 739, 1229
Fecker L. F., 79
Fernandes-Ferreira M., 795, 1165
Fernandes J. B., 307
Ferreres F., 1165
Fido R. J., 429
Fierro O., 1139
Figadère B., 1087
Figueiredo A. C., 455
Filho V. C., 725
Fischer U., 107
Flower K., 437
Fogue K., 349
Fossen T., 823
Fourasté I., 165
Frahry G., 223
França S. C., 137
Fraústo da Silva J. J. R., 229
Frédérich M., 1263
Fricke C., 657, 1019
Fuchs P., 1275
Fujimori T., 625
Fujimoto Y., 569
Fujioka S., 595
Fukushima T., 625
Furlan M., 137
Furuya T., 1329

Gafner S., 215
Galal A. M., 159
Gallardo T., 1087
Gambacorta A., 801
Ganguly S., 61
Garcia I. R., 187
García-Argáez A. N., 1221
Garg H. S., 1457
Garg S. N., 395
Garzino S., 1341
Gaset A., 311
Genc H., 881
Gerald F., 1229
Gibson E. J., 619
Giner J.-L., 475
Giordano F., 1139
Giordano O. S., 1031
Goda Y., 279
Gohbara M., 625
Gomez M., 411
Gonda A., 857
González M. J. A., 401
Gottlieb H. E., 677
Govenker M., 1203
Grayer R. J., 389
Greger H., 897
Griesbach R. J., 829
Griffiths G., 261

Griffiths W. T., 261
Guedes M. L. S., 703
Guerra-Ramirez D., 151
Guimarães E. F., 1075
Gunasekar D., 1453
Guo J., 1445
Guo S., 175
Guo Y.-T., 843

Haebel S., 1305
Halkier B. A., 1145
Hallahan D. L., 421
Hamed R. R., 1291
Hamzah A. S., 525
Hano Y., 525
Hao X.-J., 1213
Happi E. N., 733
Hara H., 1179
Haraguchi H., 125
Harborne J. B., 409, 585, 763
Haruyama H., 1003
Harvala C., 637
Harwood J. L., 441, 1295
Hashimoto T., 1179
Hassanean H. A., 693
Hauteville M., 547
Havir E. A., 41
Havlíček V., 1195
Hayafuji Y., 1179
Hayashi K.-I., 461
Haidour A., 1237
Helmy W. A., 479
Hemalal K. D., 377
Herminghaus S., 79
Herrador M. M., 807
Herz W., 1079
Hess S. C., 1225
Heydenreich M., 1439
Hiraoka N., 113
Hirata E., 669
Hitosugi M., 471
Hocquemiller R., 141, 499
Hofer O., 897
Holdsworth D. K., 581
Honda N. K., 1225
Honda T., 729
Hosoya A., 355
Hostettmann K., 215, 637, 1173
Hsieh C.-F., 1371
Hsieh P.-W., 719
Hsu F.-L., 1083
Huang M.-C., 1083
Huh G.-H., 1287
Huimin H., 1067
Humanes M., 229
Hussein M. M.-D., 479

Ide T., 669
Iglesias-Guerra F., 401
Iijima Y., 1003
Iinuma M., 907, 1045, 1187, 1423
Ikenaga T., 113, 279
Ikuta A., 285
Ilyas M., 561
Imakura Y., 1179
Inoue K., 273
Inoue M., 1199
Inuma M., 543, 1241
Ionkova I., 573
Irwin J. L., 389
Ishikawa F., 851
Ishikawa T., 1377
Ishimaru K., 971

Ito H., 333, 981
Ito T., 1423
Ito Y., 207
Itokawa H., 565, 857
Ivanic M., 931

Jarevång T., 893
Jasmani H., 525
Jassbi A. R., 1217
Jay M., 991
Jegorov A., 1195
Jia Z., 529
Jin Z.-X., 333
Jinsong F., 1067
Jo J.-K., 1287
Jones R. A., 581
Joseph-Nathan P., 151
Jung K. Y., 1383

Kadota S., 159, 537
Kaku H., 49
Kalenberg S., 975
Kalinowska M., 1151
Kamel M. S., 755
Kameyama A., 485, 1361
Kaminaga T., 1357
Kamnaing P., 345
Kamperdick C., 577, 1055
Kaneko T., 831
Kaneko T. S., 1125
Kaplan M. A. C., 323, 1075
Kartnig T., 573
Kasai R., 131, 831
Kato A., 777
Kato Y., 279
Kato-Noguchi H., 433
Kawahara S., 781
Kawamoto H., 1329
Kawasaki T., 843
Kawata T., 1179
Kawazde K., 1179
Kenne L., 175
Khattak K. F., 377
Kijima (nee Yuasa) K., 669
Kijjoa A., 1079
Kim D. S., 1383
Kim E.-H., 1383
Kim J., 1399
Kimura Y., 301
Kinjo J., 1233
Kinoshita T., 125
Kisiel W., 205
Kitade Y., 355
Kitajima M., 107
Kitamura Y., 113, 279
Kitanaka S., 1357
Klaiber I., 647
Kobata H., 565
Kobayashi A., 787
Kobayashi K., 147
Kobayashi S., 1179
Kofinas C., 637
Kohinata (née Tsuji) K., 843
Koike K., 529
Kojima K., 885
Kojoma K., 1199
Kolbe A., 467
Komatsu M., 1187
Kondo Y., 273
König W. A., 1019, 657, 661
Konishi M., 525
Konuklugil B., 573
Kopp B., 1

Kosemura S., 433
Koshiba T., 1281
Koshino H., 147
Koshioka M., 587
Kostova I. N., 511
Kraft G., 1335
Kraus W., 647, 699
Krebs H. C., 911
Krenn L., 1
Krettli A. U., 397
Kroll J., 1305
Kubota K., 787
Kuçukislamoglu M., 881
Kudo M., 529
Kuo Y.-H., 719
Kuroda M., 485, 1361
Kutchan T. M., 293
Kuwabara C., 1125
Kwak S.-S., 1287
Kwon S.-Y., 1287

Lao A., 569
Larsen Å., 823
Laurens A., 141
Lavaud C., 1229
Lázaro M. L., 401
Le Roux E., 1251
Lee H.-K., 1383
Lee H.-S., 1287
Lee I. S., 1383
Lee J.-B., 921
Lee J. J., 1383
Lee S.-S., 119
Leu Y.-L., 743, 889
Lhieochaiphant S., 831
Li C.-M., 367
Li G.-L., 1051
Li H., 529
Li J. X., 537
Li P., 537
Li R., 519
Lim H., 787
Lin G., 519
Lin W.-H., 1391
Lin Z.-W., 155, 1025, 1059, 1267
Liptaj T., 1161
Liu B., 491
Liu C., 93
Liu K. C. S., 119
Liu Y., 339
Lo S.-C., 1063
Lontsi D., 171
Lorences E. P., 607
Loukis A., 637
Lourenço A., 359
Lozano Y., 1251
Lu N., 583
Lu Y., 583
Lundgren L. N., 175
Lynnes J. A., 415

Ma J.-Y., 201
Ma W. G., 1245
Ma Y.-T., 1083
Macías F. A., 631
Maeda M., 921
Mahady G. B., 93
Maharem T. M., 1291
Mahmoud A. A., 543
Maillard M., 637
Maitani T., 279
Malakov P. Y., 557
Mamão M. A. S., 397
Mander L. N., 587
Mann J., 410, 585
Mansour I., 1237
Marcos I. S., 1035
Mari S., 771
Markham K. R., 791
Marks V., 677
Marner F.-J., 751
Martín M., 1119
Martin M. T., 171
Martín-Cordero C., 401
Martínez-Vázquez M., 1221
Martins D., 677
Massiot G., 1229
Masuda K., 297
Masuda M., 987
Masukawa N., 327
Matheson N. K., 241
Mathias L., 1449
Matsuda H., 85
Mavi S., 1173
Máximo P., 359
Mazarin S. M., 1225
Mazhar H., 429
McDougall G. J., 601
Mehta V. K., 395
Melching S., 661
Melo R., 229
Menezes F. DE S., 323
Meriçli A. H., 385
Meriçli F., 385
Meselhy M. R., 159, 1415
Midiwo J. O., 1439
Miessner M., 1439
Mimaki Y., 485, 1361
Mitchell K. A., 791
Mitsuhashi N., 1281
Miura H., 279
Miyahara K., 837, 843
Mizobe K., 279
Mizukami H., 113, 665
Mizutani F., 31
Mizutani K., 125
Molimillo J. M. G., 631
Mollenschott C., 79
Monache F. D., 725, 1225
Mondranondra I.-O., 1079
Moreira D. de L., 1075
Moreira M. M., 1429
Morimoto K., 1241
Morita H., 565, 857
Mors W. B., 1449
Mossa J. S., 159
Motta A., 1131, 1139
Moulis C., 165
Moussa A. M., 739
Mügge C., 371
Muhle H., 661, 1019
Muñoz-Dorado M., 1237
Murakami M., 85
Murata H., 1045
Mutsuga M., 1199
Myers D. K., 241

Nabeta K., 147, 681, 851
Nacro M., 1433
Nadinic E. L., 707
Nagakura N., 317
Naganawa H., 1423
Nagasampagi B. A., 515
Nagatsu A., 665
Nakagawa T., 471
Nakamura M., 107, 279

Nakamura N., 981
Nakamura T., 285
Nakanishi H., 921
Nakayama M., 587
Namba T., 537, 159, 201
Naovantt S.-A., 197
Napier J. A., 429
Narui T., 815
Nasini G., 507
Natori S., 1357
Needs P. W., 71
Nery C. G. C., 397
Ngadjui B. T., 349, 733
Ngnokam D., 345
Nianga M., 215
Nicholson R. L., 1063
Nie J.-L., 1213
Nighat F., 377
Nikaido T., 529
Nilsson M.-C., 893
Ninov S., 573
Nishijima T., 587
Noda N., 837
Noguchi T., 595
Nohara O., 207
Nohara T., 1233
Nomura T., 525
Nose M., 981
Nozaki H., 461
Nunoura Y., 1357

Odham G., 893
Ogihara Y., 885, 1199
Ogimi C., 669
Oh S. R., 1383
Ohsawa M., 107
Ohtani K., 131, 831
Ohyama M., 907, 1187, 1241
Ohya N., 781
Okihara T., 147
Okino T., 85
Okita Y., 85
Okuyama H., 665
Okuyama T., 815
Oliva R. M., 631
Oliveira M. M., 455
Omoto T., 971
Ono M., 207
Ooe Y., 113
Orjala J., 863
Osshiro E., 677
Otsuka H., 669
Ottinger R., 1433
Ou Q., 191
Owen D. J., 587
Oyedeji A. O., 657
Ozawa K., 131
Ozeki A., 565

Paczkowski C., 1151
Pagnotta E., 801
Pale E., 1433
Pan L.-T., 1013
Panayir T., 867
Papanov G. Y., 557
Parente J. P., 1449
Park S.-H., 1383
Park S.-Y., 1399
Parveen M., 561
Pathak N., 249
Pauli G. F., 1321
Pedro L. G., 455
Peña M. J., 607

Penelle J., 1263
Peng S.-L., 1411
Pereira A. M. S., 137
Pereira N. A., 323
Perera P., 491
Pérez F. J., 411
Pergent G., 611
Peter M. G., 1305, 1439
Petersen M., 975
Petkova P. L., 511
Pham L. H., 371
Phuong N. M., 577
Picheansoonthon C., 831
Pickett J. A., 421
Pinheiro T. R., 725
Piozzi F., 687
Pizzolatti M. G., 725
Pöllmann K., 875
Porzel A., 467
Prabha T. N., 915
Prakasa Rao N. S., 181, 183, 185
Proksa B., 1161
Puentes A. M., 151
Pupo M. T., 307
Puranik V. G., 515

Qin G.-W., 1059
Quayle R., 429
Quetin-Leclercq J., 1263
Quilez J. F., 807

Rabbany A. B. M. G., 31
Ragala L., 269
Rakotovao M., 547
Rali T., 863
Ramiarantsoa H., 911
Ramos-Valdivia A. C., 961
Rao K. V., 1453
Rao S. S. R., 927
Rastall R. A., 257
Rawel H., 1305
Ray A. K., 1313
Rees H. H., 1039
Respaud M.-J., 165
Richarson M. D., 451
Rigby N. M., 71
Ring S. G., 71
Rithner C. D., 403
Rivas F., 1347
Rivett D. E. A., 651
Robles C., 1341
Rodriguez B., 557
Rodriquez B., 687
Rogers D. J., 765
Rogers L., 407
Rojatkar S. R., 515
Romano I., 801
Romero L., 269
Rong S., 1351
Rönnberg B., 175
Roos G., 647
Roque N. F., 677
Rossomando P. C., 1031
Ruiz J. M., 269
Rukachaisirikul V., 197
Ryan K. G., 791
Rycroft D. S., 1351

Sabater B., 1119
Saha C., 363
Saito N., 729
Sakakibara J., 665
Salas J. J., 35

Salem H. M., 479
Sampaio A. H., 765
Sánchez J., 35
Sang S., 569
Santos A. R. S., 725
Santos C. A. M., 747
Santos N. A. S., 703
Santos P. M., 455
Sanwal G. G., 249
Saritas Y., 1019
Sarker S. D., 1039
Sarni-Manchado P., 1251
Sashida Y., 485, 1361
Sato A., 1003
Satô M., 1281
Sauvaire Y., 751
Sawada K., 815
Sawaikar D. D., 515
Schaller K., 875
Scheffer J. J. C., 455
Schneider B., 467
Schneider G., 1275
Schofield C. J., 619
Schopfer P., 223
Schubert-Zsilavecz M., 573
Schweizer U., 875
Seabra R. M., 1429
Sedmera P., 1195
Sedqui A., 1237
Seifert K., 875
Sekine H., 1329
Self R., 581
Senns B., 1275
Servettaz O., 687
Shabbir M., 377
Shahsavari A., 975
Shaker H., 875
Shen Y.-C., 719
Shen Z., 293
Shewry P. R., 429
Shibata S., 815
Shibuya N., 49
Shimizu T., 279
Shimomura K., 971
Shiojima K., 471
Shirataki Y., 1187
Sidjimov A. K., 403
Šik V., 1039
Silva A. M. S., 1079, 1429
Silva J. A., 229
Simeonov M. F., 511
Singhu T., 1179
Singh M., 61
Singh R. K. R., 1259
Smiley D. W. M., 421
Smith T. A., 409
Smollny T., 975
Socorro O., 1347
Sodano G., 801
Sondengam B. L., 171
Sönmez U., 385
Sonwa M. M., 657
Soutome H., 851
Sparapano L., 1139
Stark R. E., 1313
Stermitz F. R., 403
Sterner O., 345, 893
Stevenson P. C., 947, 995
Stevens J. F., 931
Sticher O., 863, 867
Stobart A. K., 261, 429
Stöckigt J., 107
Sturdíková M., 1161
Su J.-Y., 583
Sugawara F., 787
Sugui J. A., 1063
Sundquist B. G., 175
Sung T. V., 577, 1055
Sun H.-D., 155, 1013, 1025, 1059, 1267
Suzuki K., 1125
Suzuki M., 987
Sy L.-K., 1169, 1207
Szlosek M., 141

Taglialatela-Scafati O., 1131
Tai T., 1357
Takagi S., 327
Takahashi N., 837
Takahashi Y., 987, 1423
Takaishi Y., 1179
Takaoka D., 461
Takatsuki S., 815
Takatsuto S., 595
Takayama H., 107
Takayama M., 525
Takeda K., 389
Takeda S., 981
Takeda Y., 669
Takenaka Y., 317
Takeya K., 565, 857
Takido M., 1357
Takizawa J., 781
Takushi A., 669
Tamboue H., 349
Tamura T., 301
Tamura Y., 125
Tan R. X., 1245
Tanahashi T., 317
Tanaka H., 355, 1461
Tanaka M., 461, 625
Tanaka T., 355, 543, 907, 1045, 1187, 1241, 1423, 1461
Tanaka Y., 447, 781
Tangpakdee J., 447
Taniguchi S., 981
Tanimoto K., 125
Tareen R. B., 1271
Tárrega I., 1347
Tasdemir D., 867
Tate M. E., 643
Tatò M., 1403
Tawara J. N., 403
Taylor W. C., 197
Tazaki H., 147, 681, 851
Tene M., 345
Teng C.-M., 1377
Teshima K.-I., 831
Tezuka Y., 537
Tian J., 1013, 1025
Tillekeratne L. M., 377
Tits M., 1263
Toaima S. M., 1403
Todorova D. I., 511
Toki K., 729
Tomás-Barberán F. A., 1165
Tomioka S., 1125
Tommonaro G., 103
Tomova K. N., 557
Tormo J. R., 1087
Torres A., 631
Toyota M., 297
Tran V. H., 1335
Tricone A., 801
Tsai I.-L., 1371, 1377
Tsopmo A., 345
Tsuchiya N., 1003
Tu Y., 1067

Udayama M., 1233
Ueno M., 107
Uhrin D., 1161
Ulubelen A., 385
Unger M., 107
Urabe H., 285
Urones J. G., 1035
Uzawa J., 569

Vajna De Pava O., 507
Vajrodaya S., 897
Van Beek T. A., 89
Van Der Heijden R., 89
van der Heijden R., 961
Van N. H., 1055
Vanhaelen-Fastré R., 1433
Vanhaelen M., 1433
Vardhini B. V., 927
Varela R. M., 631
Veitch N. C., 389, 947, 995
Verotta L., 1403
Verpoorte R., 89, 961
Vieira L. M., 1079
Vieira P. C., 307
Vilarem G., 311
Vilter H., 229
Viricel M. R., 991
Vit I., 437
Vogler B., 647
Voirin B., 547, 991
Vurro M., 941, 1131

Waechter A.-I., 141
Wagner H., 339
Wagner J., 371
Wahidulla S., 1203
Wakabayashi H., 857
Wallstedt A., 893
Walter U., 647
Wang C. Z., 711
Wang H., 569
Wang M.-K., 1411
Wang M.-Y., 583
Wang P., 1059
Wang Y.-H., 1267
Wang Y., 1067
Wang Z.-T., 201
Watanabe T., 1003
Weger H. G., 415
Wei H. X., 1245
Wei L., 857
Welch C. J., 491
Weltring K.-M., 1321
Wessels J., 1321
West J. M., 421
Wever R., 229
Wichers H., 975
Willing R. I., 437
Wojciechowski Z. A., 1151
Wolfender J.-L., 215, 1173
Wollenweber E., 931
Wood K. V., 1063
Wu F.-E., 1411
Wu P.-L., 889
Wu T.-S., 743, 889
Wu Y.-C., 889
Wu Y.-G., 367
Wun M.-F., 1377

Xhang Z., 619
Xiaofeng H., 1067
Xie Y.-Y., 1059
Xu G.-J., 201
Xu L., 1445
Xu L.-S., 201
Xu X.-H., 583
Xu X.-Q., 1335

Yabu-uchi R., 981
Yadov R. N., 1259
Yamada T., 279
Yamagaki T., 921
Yamaguchi K., 85
Yamaki M., 327
Yamamoto H., 273
Yamamura S., 131, 433
Yamamura Y., 857
Yamane H., 587
Yamanouchi S., 301
Yamasaki K., 131, 831
Yamasita S., 1179
Yang C.-R., 837
Yang S.-L., 1445
Yao P., 1013
Yasukawa K., 301, 1357
Yayli N., 881
Yazaki K., 981
Yenesew A., 1439
Yeo H., 1399
Yokosuka A., 485, 1361
Yokota T., 595
Yoshida K., 273
Yoshida S., 595
Yoshida T., 333, 981
Younus A. K. M., 455
Yue J.-M., 1025
Yue Q., 451
Yu D.-L., 1445
Yu D. Q., 711
Yun H.-W., 1287
Yunes R., 725
Yürüker A., 863

Zafra-Polo M. C., 1087
Zahid M., 1271
Zaidi F., 991
Zapata J. M., 1119
Zapp J., 953
Zarra I., 607
Zeng L.-M., 583
Zengin A., 881
Zhang H.-J., 155, 1013
Zhang H. L., 665
Zhang K., 1067
Zhang L. X., 1245
Zhang P.-L., 1387
Zhang Q.-T., 583
Zhang S., 191, 519
Zhao G., 519
Zhao Q.-S., 1025
Zhao W., 1173
Zhou J.-Y., 1387
Zhu D.-Y., 1051
Zhu M., 1445
Zhu X.-B., 885
Zonno M. C., 941, 1131

SUBJECT INDEX

A

Abeliophyllum distichum, cornoside production in cell cultures of 273
Abelmoschus esculentus, volatiles from 311
Acanthaceae 831
Acantophora spicifera, lipids from 1203
Acetogenins,
  bis-tetrahydrofuran, from *Annona* seeds 499
  from *Annona* 141
  from Annonaceae, synthesis and biological activity of 1087
Acetophenones,
  from *Ethulia* 543
  highly-oxygenated, from *Adelanthus* 1351
Acetylenic glycosides, from *Aster* 711
Acylglucosyl isofucosterols, from tomato cell cultures 103
Acylphloroglucinols, from external glands of *Dryopteris* fronds 931
Adelanthus decipiens, highly-oxygenated naphthalenes and acetophenones from 1351
Aerides crispum, phenanthropyran from 185
Ailanthus vilmoriniana, quassinoids from 565
Alangiaceae 669
Alangium premnifolium, sesquiterpene and sesquilignan glycosides from 669
Albizia lebbeck, leaf flavonoids from 759
Alcohol dehydrogenases, from olives 35
Alexandrium hiranoi, biosynthesis of goniodomin A in 85
Algae 85, 229, 415, 475, 583, 765, 921, 987, 1003, 1203, 1335
Aliphatic glycosides, antihistaminic, from *Mentha* 131
Alkaloids,
  Amaryllidaceae, from *Zephyranthes* 1199
  bacterial biotransformation of in *Rauwolfia* 293
  benzophenanthridine, biosynthesis of in *Sanguinaria*, signal transduction of 93
  carbazole, from *Murraya* 363
  erythrinan, from *Erythrina* 1461
  from *Crinum* 371
  from *Phellodendron* callus tissues 285
  bis-indole, from *Strychnos* 1263
  isopavine, from *Thalictrum* 403
  norditerpenoid, from *Delphinium* 191, 385
  pavine, formation of in *Cryptocarya* callus cultures 119
  piperidine,
    from *Dialypetalum* 911
    from *Siphocampylus* 747
  protoberberine, from *Fissistigma* 367
  pyridine, sesquiterpene, bioactive, from *Maytenus* 137
  steroidal, in *Solanum*, 3-*O*-glucosylation of 1151
  tetrahydroprotoberberine, from *Toddalia* 1377
  tropane, dimeric, from *Erythroxylum* 377
  volatile, from *Areca* 581
Aloe littoralis, *C*,*O*-diglucosylated oxanthrone from 903
Aloeaceae 903
Alphitonia zizyphoides, phenolic from, inhibiting prostaglandin biosynthesis 495
Amaranthaceae 55
Amaranthus viridis, inhibition of protein phosphorylation by shikimic acid in 55
Amaryllidaceae 371, 1199
bis-Amino acid *N*-glucoside, phytotoxic, from *Ascochyta* 1131
1-Aminocyclopropane-1-carboxylate oxidase,
  effect of tropolones on activity of 31
  inhibition of by D-amino acids and hydroxamates 619
Amorpha fruticosa, prenylated flavanone from 907
Anacardiaceae 863
Anchusa strigosa, pepsin inhibitor from 217
Anhydroaplysiadiol, from *Laurencia* 987
Annona atemoya, bis-tetrahydrofuran acetogenins from 499
A. glauca, acetogenins from 141
A. muricata, cyclopeptide from 555
Annonaceae 141, 367, 499, 555, 677, 1087
Anthemis nobilis, geranyl isovalerate accumulation in adventitious root cultures of 971
Anthocyanins,
  acylated,
  from *Ipomoea* flowers 1433
  from *Triteleia* flowers 729
  from *Nymphaea* flowers and leaves 823
  from *Sorghum*, MALDI-TOF analysis of 1063
  production of in *Glehnia* callus cultures 279
1,4-Anthraquinone-dihydroanthracenone dimer, from *Senna* 699
Anthraquinones,
  from *Bulbine* 1071
  from *Ophiorrhiza* tissue and cell cultures 107
Apocynaceae 293, 961
Arabidopsis thaliana, brassinosteroids from 595
Arachis hypogaea, effect of brassinosteroids on 927
Areca catechu, volatile alkaloids from 581
Aristolochia foveolata, sodium aristolochate derivatives from 743
Aristolochiaceae 743
Artemisia annua,
  biotransformation of artemisinic acid by cultured cells of 1329
  sesquiterpenes from 1207
Artemisinic acid, biotransformation of by cultured *Artemisia* cells 1329
2-Arylbenzofuran, from *Cicer* roots, associated with *Fusarium* wilt resistance 947
Ascochyta caulina, phytotoxic *bis*-amino acid *N*-glucoside from 1131
Aspergillus niger, sesquiterpenoid biotransformation by 461
Asphodelaceae 1071
Aster auriculatus, lignan and acetylenic glycosides from 711
Astragalus sieberi, cycloartane triterpene glycosides from 1403
Aureococcus anophagefferens, sterols from 475
Azolla nilotica, steroidal ketone and diterpenoid from 471

B

Bacteria 801
Balanitaceae 755
Balanites aegyptiaca, furostanol saponin from 755
Baptisia australis, triterpenoid saponins from 1233
Benzoic acid derivatives, from *Stocksia* 1271
Benzopyran dimers, from *Melicope* 1055
Benzoxazolinones,
  biotransformation of by *Fusarium* 451
  chlorinated, from maize, allelopathic potential of 433
Berneuxia thibetica, triterpenoid saponins from 1411
Betulaceae 333

Bibenzyl, from *Empetrum* 893
Bidens pilosa, methoxylated flavonol glycosides from 397
Bignoniaceae 215
Biologically active compounds,
allelopathic
chlorinated benzoxazolinone, from *Zea* 433
norsesquiterpenes, from *Helianthus* 631
anthelminthic triterpenes, from *Terminalia* 647
antibacterial action, of retrochalcones from *Glycyrrhiza* 125
anticoagulation activity, of galactomannans from legumes 479
antifungal
2-arylbenzofuran, from *Cicer* roots 947
coumarins, from *Tordylium* 637
antihistaminic
aliphatic glycoside, from *Mentha* 131
flavones, from *Mentha* 131
anti-inflammatory
triterpene, from *Poria* 1357
seco-triterpene alcohol, from sasanqua oil 301
antimicrobial
sulphur compounds, from *Scorodocarpus* 787
triterpenes, from *Terminalia* 647
anti-platelet aggregation constituents, from *Toddalia* 1377
cytostatic steroidal saponins,
from *Hosta* rhizomes 1361
from *Ruscus* 485
cytotoxic
Amaryllidaceae alkaloids, from *Zephyranthes* 1199
neolignans, from *Persea* 1371
DNA-damaging alkaloids, from *Maytenus* 137
endothelin antagonists, from *Sargassum* 1003
fibrinolytic activity, of galactomannans from legumes 479
phytoalexin-inducing glycoprotein, from *Ceratocystis* 771
phytotoxic
bis-amino acid *N*-glucoside, from *Ascochyta* 1131
dimedone methyl ethers, produced by *Sphaeropsis* cultures 1139
lactones, from *Nigrospora* 625
prostaglandin biosynthesis inhibiting phenolic, from *Alphitonia* 495
Biosynthesis,
of alkaloids, benzophenanthridine, signal transduction of in *Sanguinaria* 93
of anthraquinones, in Rubiaceae 961
of brassinosteroids, in *Lycopersicon*, regulation of 467
of fatty acids, very long-chain, effects of pebulate on 441
of furanocoumarins, induction of in *Glehnia* cultures 113
of ginkgolides, localization of in *Ginkgo* 89
of glucosinolates, in developing fruits and seeds of *Sinapis* 1145
of glycoalkaloids, steroidal, in *Solanum* 1151
of hydroxycinnamoylcadaverines, in lysine decarboxylase transgenic tobacco root cultures 79
of polyether macrolide, in *Alexandrium* 85
of polyprenols, long-chain, in young *Hevea* leaves 447
of rubber, in young *Hevea* leaves 447
of sesquiterpenes, in chamomile 953
of steroidal saponins, in *Solanum* 1151
Biotransformation,
of artemisinic acid, by *Artemisia* cultured cells 1329
of 2-benzoxazolinone and 6-methoxy-benzoxazolinone, by *Fusarium* 451
of brassinosteroids, in *Lycopersicon* 467
of shiromodiol diacetate, mylienone and myliol, by *Aspergillus* 461
of 3α(*S*)-strictosidine to vallesiachotamine, by bacteria 293
of α-tomatine, by *Gibberella* 1321
Boraginaceae 217
Boron, effect of on phenolic metabolism in tobacco leaves 269
Brassica rapa, peroxidase isoenzymes from roots of 1291
Brassinosteroids,
effect of on groundnut 927
from *Arabidopsis* 595
metabolic inversion of 3-hydroxy function of 467
Buddleja madagascariensis, flavonoid triglycosides from 739
Buddlejaceae 739
Bufadienolides, from animals and plants 1
Bulbine capitata, 4′-demethylknipholone from 1071
Bupleurum spinosum, polyacetylenes, terpenoids and flavonoids from 1237

C

Cacalia roborowskii, eremophilane sesquiterpenes from 519
Caffeine biosynthesis, in tea, subcellular localization of 3-*N*-methyltransferase involved in 777
Callitris intratropica, eudesmane sesquiterpene from 657
Calypogeia azurea, aromadendrane sesquiterpenoid from 147
Camellia sasanqua, anti-inflammatory triterpene alcohol from 301
C. sinensis, subcellular localization of 3-*N*-methyltransferase in 777
Campanulaceae 747, 1245
Canavalia ensiformis, essential carboxyl and tryptophan residues in α-D-mannosidase from 257
Carbazoloquinones, from *Murraya* 363
Carbohydrate metabolism, in ripening bananas 915
Caryophyllaceae 529, 569, 1415
Castanea, seasonal variation of peroxidase activity in 41
Cecropiaceae 171
Cecropioic acid, from *Musanga* 171
Celastraceae 137, 1067
Celastrus paniculatus, sesquiterpenes from 1067
Centaurea moschata, steroidal glycoside from 1039
Ceratocystis fimbriata, phytoalexin induction in *Platanus* by glycoprotein from 771
Chalcones, dimeric, from *Mallotus* 1423
Chamaedrydiol, from *Marsypianthes* 323
Chemotaxonomic studies,
of acetophenones, highly-oxygenated, in *Adelanthus* 1351
of anthocyanins, in *Nymphaea* × *marliacea* cultivars 823
of β-coumaranones, in *Sparaxis* 1179
of depsides and tridepsides, in Umbilicariaceae, NMR assignments of 815
of diterpenoids,
halogenated, in *Laurencia* 987
in *Neoboutonia* 1173
of essential oils,
in *Cistus albidus* populations 1341
in wild and micropropagated plants of *Origanum* 1347
of fatty acids, in *Codium* 1335
of flavonoid aglycones, in *Mentha* leaves 991
of flavonoids, in African violet flowers expressing the Fantasy mutation 829
of glycolipids, in heterocysts of non-Nostocaceae nitrogen-fixing cyanobacteria 801
of isoflavonoids,
in *Cicer* 995
in *Sophora* 1187
of naphthalenes, highly-oxygenated, in *Adelanthus* 1351
of non-protein amino acid-containing dipeptide, in *Vicia* 643
of sterols, in brown tide alga 475
of terpenoids, in aquatic fern 471
of triterpenoids,
3,4-*seco*-cycloartane, in *Illicium* 1169
from *Floribundaria*, linking mosses and ferns 297
Chenopodiaceae 1131, 1281
Chlorophyta 415, 921, 1335
Chromenes,
from *Evodia* 1051

from *Piper* 1075
Cicer, isoflavonoid distribution in 995
C. bijugum, antifungal 2-arylbenzofuran from 947
Cistaceae 1341
Cistus albidus, essential oil composition of 1341
Citrus aurantifolia, oligomer produced enzymatically from cuticle of 1313
Clinacanthus nutans, sulphur-containing glucosides from 831
Clitoria fairchildiana, rotenoids from 1449
Codium, fatty acid composition in 1335
Combretaceae 647
Compositae 151, 159, 201, 205, 261, 395, 397, 429, 515, 519, 543, 631, 707, 711, 807, 941, 953, 971, 1031, 1039, 1083, 1207, 1221, 1329
Coniferyl alcohol oxidase, operation of through bound free-radical intermediate 601
Convolvulaceae 837, 843, 1287, 1433
Conyza incana, diterpene acids from 159
Cornoside, production of in *Abeliophyllum* and *Forsythia* cell cultures 273
Corylus heterophylla, dimeric and trimeric ellagitannins from 333
β-Coumaranones, from *Sparaxis* 1179
Coumarins,
  antifungal, from *Tordylium* 637
  6,7-dioxygenated, from *Pterocaulon* 707
  from *Kielmeyera* 703
  5-methyl-, monoterpene, from *Ethulia* 543
  pyrano-, from *Toddalia* 1377
Crinum amabile, alkaloids from 371
Crotalaria barbata, pterocarpan from 1457
Croton campestris, furano-diterpenes from 165
Cruciferae 241, 587, 595, 1145, 1291
Cryptocarya chinensis, pavine alkaloid formation in 119
Cupressaceae 601, 657, 1139
Currania robertiana, flavonoid aglycones from 931
Cuscuta chinensis, trisaccharide and glycosidic acids from 843
Cutin, of lime, oligomer enzymatically produced from 1313
Cyanobacteria, nitrogen-fixing, heterocyst glycolipids from 801
Cyclamen coum, triterpenoid saponin from 881
Cyclohexylamine, from *Toddalia* 1377
Cyclopeptide, from *Annona* seeds 555
Cyclosporin, from *Mycelium* 1195
Cyperaceae 1429
Cyperus capitatus, methylaurones from 1429

D

Daucus carota, partially non-methyl esterified polysaccharides from 71
Dehydroshogaols, from *Zingiber* 889
Delphinium pyrimadale, nortriterpenoid alkaloids from 385
D. siwanense, norditerpenoid alkaloids from 191
3-Deoxyanthocyanidins, from *Sorghum*, MALDI-TOF analysis of 1063
Depsides, from Umbilicariaceae, NMR assignments of 815
Δ-9-Desaturase activity, in sunflower cotyledons 261
Dialypetalum floribundum, piperidine alkaloids from 911
Diapensiaceae 1411
Dihydroflavonol, prenylated, from *Rhynchosia* 1453
Dimedone methyl ethers, phytotoxic, produced by *Sphaeropsis* cultures 1139
Diospyros kaki, xyloglucan from fruit cell walls of 607
Dipeptide, from *Vicia* 643
Diphenyleneiodonium, inhibition of O_2-reducing activity of horseradish peroxidase by 223
Dipsacaceae 867
Diterpene acids, from *Conyza* 159
Diterpenoid
  esters, pentacyclic, from *Euphorbia* 1217
  glycoside, labdane, from *Vitex* fruit 207
Diterpenoids,
  abietane, from *Leonurus* 557
  clerodane, from *Jamesoniella* 681
  neo-clerodane, from *Scutellaria* 687
  from *Azolla* 471
  from *Isodon* 155, 1025, 1267
  from *Neoboutonia* 1173
  from *Spiraea* 1213
  from *Taiwania* 1391
  from *Taxus* 1387
  furano-, from *Croton* bark 165
  halogenated, from *Laurencia* 987
  ent-labdane, from *Eupatorium* 1031
  lathyrane, from *Jatropha* 1225
  tricyclic, from *Hyptis* 1035
Dorstenia mannii, geranylated and prenylated flavonoids from 349
D. poinsettifolia, geranylated flavonoids from 345
D. psilurus, prenylated flavones and phenylpropanoids from 733
Dryopteris, acylphloroglucinols from 931
Dumortiera hirsuta, sesquiterpene hydrocarbons from 1019

E

Ebenaceae 607
Ellagitannin oligomers, macrocyclic, production of by *Oenothera* cultures 981
Ellagitannins, dimeric and trimeric, from *Corylus* 333
Empetraceae 893
Empetrum nigrum, bibenzyl from 893
Enzymes,
  acid phosphatase, 60kD polypeptide of, from tobacco cell walls 1125
  alcohol dehydrogenases, from *Olea* fruit 35
  antioxidant, in transgenic tobacco cell lines 1287
  coniferyl alcohol oxidase, oxidation mechanism of 601
  farnesyl diphosphate synthase, activity of in rubiaceous and apocynaceous cultures 961
  fatty acid elongases, from germinating pea seeds 1295
  β-glucosidase, cell wall-bound, from germinated rice 49
  glucosyltransferases, from eggplant 1151
  haloperoxidases, vanadium-dependent, from *Saccorhiza* 229
  horseradish peroxidase, inhibition of O_2-reducing activity of 223
  isopentenyl diphosphate isomerase, activity of in rubiaceous and apocynaceous cultures 961
  α-D-mannosidase, from jack bean, essential carboxyl and tryptophan residues of 257
  nepetalactol oxidoreductase, from catmint trichomes 421
  peroxidase activity, in *Castanea*, seasonal variation of 41
  peroxidase isoenzymes, from turnip roots 1291
  peroxidase, thylakoid, oxidizing hydroquinone, from barley 1119
  phospho*enol*/pyruvate carboxylase, from *Amaranthus*, regulation of activity by shikimic acid 55
  polygalacturonase, multiple forms of in banana fruits 249
  protein kinase, calcium-dependent, from winged bean 61
Ergochrome, biosynthesis of by *Neosartorya* 1161
Erythrina × *bidwillii*, erythrinan alkaloid from 1461
E. burttii, prenylated flavanones from 1439
E. orientalis, isoflavanones from 355
Erythroxylaceae 377
Erythroxylum moonii, dimeric tropane alkaloids from 377
Essential oil composition, of *Cistus* leaves 1341
Essential oils,
  from *Origanum* leaves and calli 795
  from *Origanum* wild and micropropagated plants 1347
  from *Pimpinella* hairy root cultures 455

Ethulia conyzoides, monoterpene 5-methylcoumarins and acetophenone from 543
Ethylene production, effect of tropolones on 31
Eupatorium buniifolium, *ent*-labdane diterpenoids from 1031
Euphorbia decipiens, pentacyclic diterpene esters from 1217
E. neriifolia, triterpene from 561
Euphorbiaceae 165, 447, 561, 1173, 1217, 1225, 1423
Evodia lepta, chromenes from 1051

F

Fagaceae 41
Farnesyl diphosphate synthase, activites of in rubiaceous and apocynaceous cultures 961
Fatty acid
biosynthesis, effect of pebulate and its sulphoxide on 441
elongases, from germinating pea seeds 1295
profiles, in *Codium* 1335
Fissistigma balansae, protoberberine alkaloids from 367
Flavanones, prenylated,
from *Amorpha* roots 907
from *Erythrina* 1439
Flavones,
antihistaminic, from *Mentha* 131
from *Millettia* 577
6- and 8-methyl-, synthesis and UV spectroscopy of 547
prenylated, from *Dorstenia* 733
Flavonoid
aglycones,
from external glands on *Currania* fronds 931
from *Mentha* leaf surfaces 991
cellobiosides, from *Salvia* 389
composition, in *Marchantia*, effect of UV-B radiation on 791
glycosides, from *Lysionotus* 339
triglycosides, from *Buddleja* 739
Flavonoids,
from *Albizia* leaves 759
from *Bupleurum* 1237
from *Hypericum* callus 1165
from *Phlomis* 573
from *Saintpaulia*, expressing Fantasy mutation 829
from *Tordylium* 637
geranylated, from *Dorstenia* 345, 349
Flavonol glycosides,
from *Lysimachia* 1445
from *Pterocarpus* 1259
methoxylated, from *Bidens* 397
Floribundaria aurea, triterpenoids from 297
Forsythia, production of phenylethanoids in cultures of 273
Fungi 451, 461, 507, 625, 781, 941, 1131, 1139, 1161, 1195, 1321, 1357
Furanocoumarins, induction of biosynthesis of, in *Glehnia* cell cultures 113
Fusarium moniliforme, biotransformation of benzoxazolinones by 451

G

Galactomannans, from legumes, biological activities of 479
Gamma radiation, effect of on spinach cell membranes 1281
Gardenia sootepensis, sesquiterpene from 197
Gentiana neurotheca, triterpenoids from 211
Gentianaceae 211
Geranyl isovalerate, accumulation of in *Anthemis* adventitious root cultures 971
Germination inhibition, by glucose analogues 241
Gesneriaceae 339, 829
Gibberella pulicaris, metabolism of α-tomatine by 1321
Gibberellic acid, stimulation of isoperoxidase in grape pedicels by 411
Gibberellin glucosides, in barley caryopses, GC-MS quantification of 1275
Gibberellins, endogenous, from *Raphanus* 587
Ginkgo biloba, terpenoid distribution and biosynthetic activity in 89
Ginkgoaceae 89
Ginkgolides, distribution of in *Ginkgo* 89
Glehnia littoralis,
anthocyanin production in callus cultures of 279
induction of furanocoumarin biosynthesis in by elicitors 113
Gliricidia sepium, saponins from 885
Glucose analogues, hexokinase substrates, inhibiting germination 241
β-Glucosidase, cell wall-bound, from germinating rice seeds 49
Glucosinolate breakdown product, reactions of with myoglobin 1305
Glucosinolates, biosynthesis site of in *Sinapis* 1145
Glucosyltransferases, for 3-*O*-glucosylation of steroidal alkaloids and sapogenins in eggplant 1151
γ-*Glutamyl*-*S*-ethenylcysteine, from *Vicia* 643
Glycolipids, from heterocysts of nitrogen-fixing cyanobacteria 801
Glycoprotein, from *Ceratocystis*, phytoalexin induction in *Platanus* by 771
Glycosidic acids, from *Cuscuta* 843
Glycosmis trichanthera, organ-specific chemical differences in 897
Glycyrrhiza inflata, antibacterial action of retrochalcones from 125
Goniodomin A, biosynthesis of in *Alexandrium* 85
Gossypium hirsutum, sesquiterpene glycosides from 665
Gramineae 49, 241, 433, 437, 441, 1063, 1119, 1275
Guttiferae 703, 1165

H

Halimeda xishaensis, *sym*-triazine derivative from 583
Haloperoxidases, vanadium-dependent, from *Saccorhiza* 229
Harpullia ramiflora, triterpenoid saponin from 1229
Hedyotis nudicaulis, triterpenoid saponins from 525
Helianthus annuus,
allelopathic norsesquiterpenes from 631
Δ-9-desaturase activity in 261
synthesis of storage reserves in seeds of 429
Hepaticae 147, 661, 681, 791, 851, 1019, 1351
Hevea brasiliensis, long-chain polyprenols and rubber in 447
Hordeum vulgare,
GC-MS quantification of gibberellin glucosides in 1275
thylakoid peroxidase from, oxidizing hydroquinone 1119
Horseradish peroxidase, inhibition of O_2-reducing activity of by diphenyleneiodonium 223
Hosta sieboldii, cytostatic steroidal saponins from 1361
Hydrocarbons, from *Origanum* leaves and calli 795
3β-*p*-Hydroxybenzoyldehydrotumulosic acid, from *Poria*, anti-inflammatory activity of 1357
Hydroxycinnamoylcadaverines, biosynthesis of by transgenic *Nicotiana* root cultures 79
Hydroxytetradecatrienoic acid, from *Mycosphaerella* 507
Hypericum perforatum, unusual flavonoids from callus of 1165
Hyptis dilatata, tricyclic diterpenes from 1035

I

Illiciaceae 1169
Illicium verum, *seco*-cycloartane triterpenoid from 1169
Indole, diprenylated, from *Glycosmis* 897
Ionone glycosides, from *Wahlenbergia* 1245
Ipomoea asarifolia, acylated anthocyanins from 1433

I. stolonifera, resin glycosides from 837
Iridaceae 751, 1179
Iridal, epoxidized, from *Iris* 751
Iridoid glycoside, from *Picrorhiza* 537
Iris germanica, epoxidized iridal from 751
Isodon enanderianus, 7,20-epoxy-*ent*-kaurenoids from 1267
I. flavidus, diterpenoids from 1025
I. gesneroides, diterpenoids from 155
Isoflavanones, from *Erythrina* 355
Isoflavone glucoside, from *Retama* 401
Isoflavones, from *Millettia* 577
Isoflavonoids,
  distribution of in *Cicer* 995
  from *Sophora* 1187
Isopentenyl diphosphate isomerase, activities of in rubiaceous and apocynaceous cultures 961
Isoperoxidase, in grape pedicels, stimulation of by gibberellic acid 411
Ixeris sonchifolia, sesquiterpene lactones from 201

J

Jamesoniella autumnalis, clerodane diterpenoids from 681
Jasminum polyanthum, trimeric secoiridoid glucosides from 317
J. urophyllum, neolignan glycosides from 719
Jatropha weddelliana, lathyrane diterpene from 1225

K

Kadsura angustifolia, dibenzocyclooctadiene lignans from 1059
Ketone, steroidal, from *Azolla* 471
Kielmeyera argentea, coumarins from 703

L

Labiatae 131, 155, 323, 389, 421, 557, 573, 651, 687, 795, 991, 1025, 1035, 1267, 1347
Lactarius volemus, molecular weight distribution of polyisoprene from 781
Lactones, from *Nigrospora*, phytotoxicity of 625
γ-Lactones, from Trichilia 307
Lactuca tatarica, germacranolide glucoside from 205
Lauraceae 119, 1371
Laurencia japonensis, anhydroaplysiadiol from 987
Lectin, galactose-specific, from red marine alga 765
Leguminosae 61, 125, 187, 241, 257, 355, 359, 401, 441, 479, 577, 643, 693, 699, 759, 885, 907, 927, 947, 995, 1187, 1233, 1259, 1295, 1403, 1439, 1449, 1453, 1457, 1461
Leonurus marrubiastrum, abietane diterpenoid from 557
Lichenes 815
Lignan glycoside, from *Aster* 711
Lignans,
  accumulation of in *Linum* cultures 975
  dibenzocyclooctadiene, from *Kadsura* 1059
  tetrahydrofuran, from *Talauma* 1079
Ligustrum robustum, monoterpenoid glycosides from 1013
Liliaceae 485, 729, 1361
Linaceae 975
Linum album, accumulation of podophyllotoxin and other lignans in cultures of 975
Lipids, from *Acantophora* 1203
Litchi chinensis, A-type proanthocyanidins from 1251
Lobeliaceae 911
Loganiaceae 1263
Lycopersicon esculentum,
  acylglucosyl isofucosterols from 103
  metabolic inversion of 3-hydroxy function of brassinosteroids in 467
Lysimachia congestiflora, flavonol glycosides from 1445
Lysionotus pauciflorus, phenylpropanoids and flavonoid glycosides from 339

M

Machaeranthera tanacetifolia, isomeric sesquiterpene glycosides from 1221
10-Macrolides, from *Phoma* 941
Magnolia fargesii, cycloeudesmane sesquiterpene from 1383
Magnoliaceae 1079, 1383
Mallotus philippensis, dimeric chalcones from 1423
Malvaceae 311, 665
Mannia fragrans, microbiotene sesquiterpenes from 661
α-D-Mannosidase, from *Canavalia*, essential carboxyl and tryptophan residues in 257
Marchantia polymorpha, effect of UV-B radiation on luteolin:apigenin ratio in 791
Marsypianthes chamaedrys, ursane triterpene from 323
Matricaria recutita, biosynthesis of isoprene units of sesquiterpenes from 953
Maytenus aquifolium, bioactive sesquiterpene pyridine alkaloids from 137
Meliaceae 307
Melicope ptelefolia, benzopyran dimers from 1055
Mentha, flavone aglycones from 991
M. spicata, antihistaminic flavones and aliphatic glycosides from 131
Methylaurones, from *Cyperus* 1429
3-*N*-Methyltransferase, involved in caffeine biosynthesis in tea, subcellular localization of 777
Millettia ichthyochtona, flavones and isoflavones from 577
Monostroma latissimum, rhamnan sulphate from 921
Monoterpenoid glycosides,
  acylated, from *Paeonia* 511
  from *Ligustrum* 1013
Monoterpenoids, acyclic, from *Tagetes* flowers 395
Moraceae 345, 349, 733
Murraya koenigii, carbazole alkaloids from 363
Musa acuminata, multiple forms of polygalacturonase from 249
M. sapientum, carbohydrate metabolism in ripening fruits of 915
Musaceae 249, 915
Musanga cecropioides, pentacyclic triterpene from 171
Musci 297
Mycelium sterilae, cyclosporin from 1195
Mycosphaerella rubella, hydroxytetradecatrienoic acid from 507
Myoglobin, reactions of benzyl-isothiocyanate with 1305

N

Nahocols, from *Sargassum* 1003
Naphthalenes, highly-oxygenated, from *Adelanthus* 1351
Naphthoquinone, from *Newbouldia* roots 215
Neoboutonia melleri, diterpenes and sterols from 1173
Neoflavonoids, from *Kielmeyera* 703
Neolignan glycosides, from *Jasminum* 719
Neolignans, cytotoxic, form *Persea* 1371
Neosartorya fischeri, biosynthesis of ergochrome by 1161
Nepeta racemosa, nepetalactol oxidoreductase in 421
Nepetalactol oxidoreductase, in *Nepeta* trichomes 421
Newbouldia laevis, naphthoquinone from 215
Nicotiana tabacum,
  antioxidant enzymes in transgenic cell lines of 1287
  biosynthesis of hydroxycinnamoylcadaverines by transgenic cultures of 79
  effect of boron on phenolic metabolism in 269
  60kD polypeptide of cell wall acid phosphatase from 1125
Nigrospora sacchari, phytotoxicity of lactones from 625

Nitrite production, from oxidation of salicylhydroxamic acid 415
Norsesquiterpenes, allelopathic, from sunflower 631
Nymphaea × *marliacea*, anthocyanins from 823
Nymphaeaceae 823

O

Oenothera laciniata, production of macrocyclic ellagitannin oligomers by 981
Olacaceae 787
Olea europaea, alcohol dehydrogenases from 35
Oleaceae 35, 273, 317, 719, 1013
Onagraceae 981
Ononis viscosa, pterocarpans from 187
Ophiorrhiza pumila, anthraquinones from 107
Orchidaceae 181, 183, 185, 327
Origanum bastetanum, essential oils from wild and micropropagated plants of 1347
O. vulgare, essential oils and hydrocarbons from 795
Oryza sativa, cell wall-bound β-glucosidase from 49
Oxanthrone, *C,O*-diglucosylated, from *Aloe* 903
Oxindoles, from *Phalaris* 437

P

Paeonia peregrina, acylated monoterpene glucosides from 511
Paeoniaceae 511
Palmae 479, 581
Papaveraceae 93
Parthenocissus quinquefolia, stilbenes from 1045
P. tricuspidata, resveratrol dimer from 1241
Pebulate, effect of on long-chain fatty acid biosynthesis 441
Pepsin inhibitor, from *Anchusa* roots 217
Peroxidase
  activity, in *Castanea*, seasonal variation of 41
  isoenzymes, from turnip roots 1291
Peroxidase, nitrite production from salicylhydroxamic acid oxidation by 415
Persea obovatifolia, cytotoxic neolignans from 1371
Phaeophyta 229, 1003
Phalaris coerulescens, oxindoles from 437
Phellodendron amurense, alkaloids from callus tissues of 285
Phenanthropyrans,
  from *Aerides* 185
  from *Vanda* 181, 183
Phenolics,
  distribution of in *Posidonia* 611
  from *Alphitonia*, inhibiting prostaglandin biosynthesis 495
Phenylethanoid glycosides, from *Picrorhiza* 537
Phenylethanoids, production of in *Abeliophyllum* and *Forsythia* 273
Phenylpropanoid glycoside, from *Vaccaria* 569
Phenylpropanoid-derived glycosides, from *Wahlenbergia* 1245
Phenylpropanoids,
  from *Dorstenia* 733
  from *Lysionotus* 339
Phlomis nissolii, flavonoids from 573
Phoma putaminum, non-toxic 10-macrolides from 941
Phosphatase, acid, from tobacco cell walls, 60kD polypeptide of 1125
Phospho*enol*/pyruvate carboxylase, from *Amaranthus*, regulation of activity by shikimic acid 55
Phytoalexin induction, in *Platanus* cultures, by glycoprotein from *Ceratocystis* 771
Picrorhiza scrophulariiflora, phenylethanoid glycosides and iridoid from 537
Pimpinella anisum, essential oils from 455
Pinaceae 601
Piper aduncum, chromene from 1075
Piperaceae 1075
Pisum sativum, fatty acid elongases from 1295
Platanaceae 771
Platanus × *acerifolia*, phytoalexin induction in cultures of 771
Pleione bulbocodioides, stilbenoids from 327
Podophyllotoxin, accumulation of in *Linum* cell cultures 975
Polyacetylenes, from *Bupleurum* 1237
Polycarpon succulentum, hopane saponins from 1415
Polyether macrolide, biosynthesis of in *Alexandrium* 85
Polygala cyparissias, xanthones from 725
Polygalaceae 725
Polygalacturonase, multiple forms of, from bananas 249
Polyisoprene, from *Lactarius*, molecular weight distribution of 781
Polyprenols, long-chain, in young *Hevea* leaves 447
Polysaccharides, pectic, from carrot, non-methyl galacturonoyl esters in 71
Porella grandiloba, sesquiterpenes from 851
Poria cocos, anti-inflammatory triterpene from 1357
Posidonia oceanica, environmental effects on distribution of phenolics in 611
Posidoniaceae 611
Primulaceae 881, 1445
Proanthocyanidins, A-type, from *Litchi* pericarp 1251
Prostaglandin biosynthesis, inhibition of by phenolic from *Alphitonia* 495
Protein kinase, calcium-dependent, from *Psophocarpus* 61
Psophocarpus tetragonolobus, calcium-dependent protein kinase from 61
Pteridophyta 471, 931
Pterocarpans,
  from *Crotalaria* 1457
  from *Ononis* 187
  from *Ulex* 359
Pterocarpus marsupium, flavonol glycosides from 1259
Pterocaulon virgatum, 6,7-dioxygenated coumarins from 707
Ptilota filicina, galactose-specific lectin from 765
Putaminoxins, from *Phoma* 941
α-Pyrones, 5,6-dihydro-, from *Syncolostemon* 651

Q

Quassinoids, from *Ailanthus* 565
Quillaja saponaria, triterpenoid saponins from 175

R

Ranunculaceae 191, 385, 403
Raphanus sativus, endogenous gibberellins from 587
Rauwolfia serpentina, bacterial biotransformation of 3α(*S*)-strictosidine in 293
Resin glycosides, from *Ipomoea* 837
Resveratrol dimer, from *Parthenocissus* stem wood 1241
Retama sphaerocarpa, isoflavone glucoside from 401
Retrochalcones, from *Glycyrrhiza*, antibacterial action of 125
Rhamnaceae 495
Rhamnan sulphate, from *Monostroma* cell walls 921
Rhodophyta 765, 987, 1203
Rhus taitensis, triterpenes from 863
Rhynchosia densiflora, prenylated dihydroflavonol from 1453
Rosa multiflora, A-ring contracted triterpenoid from 1399
Rosaceae 31, 175, 1213, 1399
Rotenoids, from *Clitoria* seeds 1449
Rubber, in young *Hevea* leaves 447
Rubiaceae 107, 197, 525, 961
Ruscus aculeatus, cytostatic steroidal saponins from 485
Rutaceae 285, 363, 897, 1051, 1055, 1313, 1377

S

Saccorhiza polyschides, vanadium-dependent haloperoxidases from 229
Saintpaulia ionantha, flavonoids expressing Fantasy mutation of 829
Salicylhydroxamic acid, nitrite production from oxidation of 415
Salvia uliginosa, apigenin cellobiosides from 389
Sanguinaria canadensis, signal transduction of benzophenanthridine alkaloid biosynthesis in 93
Santolina chamaecyparissus, sesquiterpenes from 807
Sapindaceae 1229, 1251, 1271
Saponins,
from tomato, metabolism of by *Gibberella* 1321
furostanol, from *Balanites* 755
saiko-, from *Taverniera* 693
steroidal,
from *Hosta* rhizomes, cytostatic activity of 1361
from *Ruscus*, cytostatic activity of 485
in *Solanum*, 3-*O*-glucosylation of 1151
triterpenoid,
from *Baptisia* 1233
from *Berneuxia* 1411
from *Cyclamen* 881
from *Gliricidia* 885
from *Harpullia* 1229
from *Hedyotis* 525
from *Quillaja* 175
from *Scabiosa* 867
from *Vaccaria* 529
from *Zygophyllum* 875
hopane, from *Polycarpon* 1415
Sargassum autumnale, endothelin antagonists from 1003
Scabiosa rotata, triterpene saponins from 867
Scisandraceae 1059
Scorodocarpus borneensis, antimicrobial sulphur-containing compounds from 787
Scrophulariaceae 537
Scutellaria laterifolia, *neo*-clerodane diterpenoids from 687
Secoiridoid glucosides, trimeric, from *Jasminum* 317
Senna sophera, 1,4-anthroquinone-dihydroanthracenone dimer from 699
Sesquilignan glycosides,
from *Alangium* stems 669
from *Aster* 711
Sesquiterpene
biotransformation, by *Aspergillus* 461
dimer, from *Xylopia* 677
glycosides,
from *Alangium* stems 669
from cotton oil cake 665
from *Machaeranthera* 1221
hydrocarbons, from *Dumortiera* 1019
lactone glucoside, from *Lactuca* 205
lactones,
from *Ixeris* 201
germacranolide, from *Vicoa* 515
Sesquiterpenoids,
aromadendrane, from *Calypogeia* 147
cycloeudesmane, from *Magnolia* flower buds 1383
eremophilane, from *Cacalia* 519
eudesmane, from *Callitris* essential oil 657
from *Artemisia* 1207
from *Celastrus* 1067
from chamomile, biosynthesis of isoprene units of 953
from *Gardenia* 197
from *Mannia* 661
from *Porella* 851
from *Santolina* 807
longipinene diesters, from *Stevia* 151
Shikimic acid, in *Amaranthus*, inhibition of protein phophorylation with PEP carboxylase by 55
Shiromodiol diacetate, biotransformation of, by *Aspergillus* 461
Simaroubaceae 565
Sinapis alba, site of glucosinolate biosynthesis in 1145
Siphocampylus verticillatus, piperidine alkaloids from 747
Sodium aristolochate derivatives, from *Aristolochia* 743
Solanaceae 79, 103, 269, 467, 1125, 1151, 1287, 1321
Solanum melongena, 3-*O*-glycosyltransferases for steroidal saponins and alkaloids in 1151
Sophora, isoflavonoids from 1187
Sorghum bicolor, MALDI-TOF analysis of anthocyanin-3-deoxyanthocyanidin mixtures from 1063
Sparaxis tricolor, β-coumaranones from 1179
Sphaeropsis sapinea, phytotoxic dimedone methyl ethers from 1139
Spinacia oleracea, effect of γ-radiation on cell membranes of 1281
Spiraea japonica, diterpenes from 1213
Steroidal glycoside, from *Centaurea* 1039
Steroids, from *Taiwania* 1391
Sterols,
from brown tide alga 475
from *Neoboutonia* 1173
Stevia lucida, longipinene diesters from 151
Stilbenoids,
from *Parthenocissus* stems 1045, 1241
from *Pleione* 327
Stocksia brahuica, benzoic acid derivatives from 1271
Stoloniferins, from *Ipomoea* 837
Storage compounds, synthesis of in developing sunflower seeds 429
3α(*S*)-Strictosidine, bacterial biotransformation of in *Rauwolfia* 293
Strychnos usambarensis, zwitterionic *bis*-indole alkaloid from 1263
Sulphones, from *Glycosmis* 897
Sulphur-containing
compounds, antimicrobial, from *Scorodocarpus* 787
glucosides, from *Clinacanthus* 831
Syncolostemon argenteus, 5,6-dihydro-α-pyrones from 651

T

Tagetes minuta, acyclic monoterpenes from oil of 395
Taiwania cryptomerioides, diterpenoids and steroids from 1391
Talauma hodgsonii, 2,5-diaryl-3,4-dimethyltetrahydrofuran lignans from 1079
Taverniera aegyptiaca, saikosaponins from 693
Taxaceae 857, 1387
Taxodiaceae 1391
Taxoids, from *Taxus* 857
Taxus cuspidata, taxoids from 857
T. yunnanensis, taxoids from 1387
Terminalia macroptera, bioactive triterpene esters from 647
Terpenoids,
from *Bupleurum* 1237
in *Ginkgo*, distribution and biosynthetic activity of 89
Thalictrum minus, isopavine alkaloid from 403
Theaceae 301, 777
Thiazinedione, from *Xanthium* 1083
Thylakoid peroxidase, from barley, oxidizing hydroquinone 1119
Toddalia asiatica, anti-platelet aggregation constituents from 1377
α-Tomatine, metabolism of by *Gibberella* 1321
Tordylium apulum, flavonoids and antifungal coumarins from 637
sym-Triazine derivative, from *Halimeda* 583
Trichilia claussenii, γ-lactones from 307
Tridepsides, from Umbilicariaceae, NMR assignments of 815

Trisaccharide, from *Cuscuta* 843
Triteleia bridgesii, acylated anthocyanins from 729
Triterpene alcohol, anti-inflammatory, from *Camellia* 301
Triterpenoid
  esters, bioactive, from *Terminalia* bark 647
  glycosides, cycloartane, from *Astragalus* 1403
Triterpenoids,
  A-ring contracted, from *Rosa* 1399
  seco-cycloartane, from *Illicium* 1169
  from *Euphorbia* 561
  from *Floribundaria* 297
  from *Gentiana* 211
  from *Rhus* 863
  lanostane, anti-inflammatory, from *Poria* 1357
  pentacyclic, from *Musanga* 171
  ursane, from *Marsypianthes* 323
Tropolones, effect of on ethylene production and ACC oxidase activity 31

U

Ulex parviflorus, pterocarpan from 359
Ulmaceae 601
Umbelliferae 71, 113, 279, 455, 637, 1237
Umbilicariaceae, NMR assignments of depsides and tridepsides from 815
UV-B radiation, effect of on flavonoid composition in *Marchantia* 791

V

Vaccaria segetalis,
  phenylpropanoid glycoside from 569
  triterpenoid saponins and sapogenins from 529
Vallesiachotamine, bacterial biotransformation of 3α(*S*)-strictosidine to 293
Vanda parviflora, phenanthropyran from 181
V. tesselata, phenanthropyran from 183
Verbenaceae 207
Vivia narbonensis, dipeptide from, containing non-protein amino acid 643
Vicoa indica, germacranolide from 515
Vitaceae 411, 1045, 1241
Vitex rotundifolia, labdane diterpene glycoside from 207
Vitis vinifera, isoperoxidase stimulation by gibberellic acid in 411
Volatiles, from okra seed coats 311

W

Wahlenbergia marginata, glycosides from 1245

X

Xanthium strumarium, thiazinedione from 1083
Xanthones, from *Polygala* 725
Xyloglucan, from persimmon fruit cell walls 607
Xylopia aromatica, sesquiterpene dimer from 677

Y

X

Zea mays, allelopathic potential of benzoxazolinone from 433
Zephyranthes carinata, Amaryllidaceae alkaloids from 1199
Zingiber officinale, dehydroshogaols from 889
Zingiberaceae 889
Zygophyllum decumbens, triterpenoid saponins from 875
Zygophyllaceae 875

Printed in Scotland by Polestar AUP Aberdeen Ltd, Aberdeen